

ABSTRACT

A data access network system is described that includes a content server coupled to a plurality of proxy servers via an interconnect network. The content server store at least one content file. The data access network system also includes a system of maintaining content consistency between the content server and the proxy servers. The system includes a subscription manager in the content server that specifies all of the proxy servers that are subscribed to the content file. The system also includes a consistency manager that notifies all of the subscribed proxy servers that cache the content file to discard the cached content file from those proxy servers when the content file is updated in the content server. A method of maintaining content consistency between the content server and the proxy servers is also described.